

IN+	1	IN	5	OUT+
GND 1	2	OUT	6	GND 2
N.C.	3		7	N.C.
N.C.	4		8	N.C.

### Item description

**Short description:** The 1-channel passive isolator filters and electrically isolates 0(4)–20 mA analog standard signals, while drawing power for signal transmission from the input circuit. The connected sensor supplies the passive isolator with the required -power, while powering the connected load.

**Characteristics:** No additional supply voltage required Safe 3-way isolation with 2.5 kV test voltage acc. to EN 61140

### Data

#### Technical Data

### Configuration

Configuration options

permanently configured

## Input

Input signal type	Current
Input signal, current	0 ... 20 mA; 4 ... 20 mA
Voltage drop at input	≤ 2.5 V (at 20 mA at the output)
Max. input current	40mA
Max. input voltage	20 V
Response threshold	200 µA

## Output

Output signal type	Current
Output signal current	0 ... 20 mA; 4 ... 20 mA
Load impedance (output/current)	≤ 600 Ω (temperature range restrictions may occur)

## Signal processing

Max. operating frequency	100 Hz
Step response	3.5 ms

## Measurement error

Transmission error typ.	≤ 0.1 % of upper range value
Load error	≤ 0.05% (of the full scale value; per 100 Ω load)
Temperature coefficient	≤ 0.01 %/K

## Power supply

Type of power supply	passive (via input)
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## Safety and protection:

Test voltage (input/output/supply)	2.5 kV AC; 50 Hz; 1 min
Degree of protection	IP20

## Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 Inch



## Geometrical Data

Width	6 mm / 0.236 Inch
Height from upper-edge of DIN-35 rail	97.8 mm / 3.85 Inch
Depth	94 mm / 3.701 Inch

## Mechanical data

Type of mounting	DIN-35 rail
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## Material Data

Color	lichtgrau
Fire load	0.747 MJ
Weight	34.2 g

## Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C

## Standards and specifications

Conformity marking	CE
EMC immunity to interference	EN 61000-6-2
EMC emission of interference	EN 61000-6-4



## Commercial data

Country of origin	DE
GTIN	4045454471323
Product Group	6 (Interface Electronics)

## Ex-Approvals

Logo	Approval	Certificate name
	UL UL International Germany GmbH (HAZARDOUS LOCATIONS)	E198726 Sec.4

## Ship Approvals

Logo	Approval	Certificate name
	<b>BV</b> Bureau Veritas S.A.	40179_A0
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	TAA00001D1
	<b>NK</b> Nippon Kaiji Kyokai	TA17255M
	<b>PRS</b> Polski Rejestr Statkow	TE/1989/880590/13

## UL-Approvals

Logo	Approval	Certificate name
	<b>UL</b> UL International Netherlands B.V. (ORDINARY LOCATIONS)	E175199 Sec.4

## Product family

**JUMPFLEX Isolation Amplifiers**  
[Show all products from the family.](#)

Subject to changes.